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- (71) Applicant (for all designated States except US): **AQUAINNOVATIONS, INC.** [US/US]; 10828 Normandale Boulevard, Bloomington, MN 55437 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **SENKIW, James, Andrew** [US/US]; 4750 Aldrich Avenue North, Minneapolis, MN 55430-3529 (US).
- (74) Agent: **TERRY, Kathleen, R.**; 2417 Como Avenue, St. Paul, MN 55108-1459 (US).

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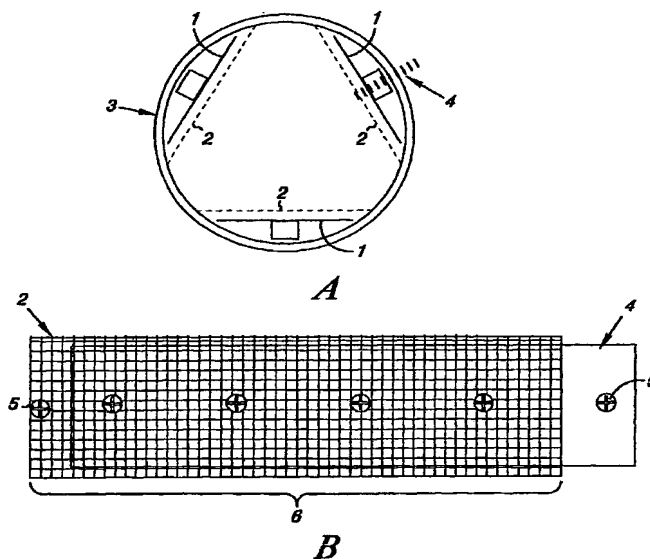
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(54) Title: FLOW-THROUGH OXYGENATOR



(57) Abstract: An oxygen emitter which is an electrolytic cell is disclosed. When the anode and cathode are separated by a critical distance, very small microbubbles and nanobubbles of oxygen are generated. The very small oxygen bubbles remain in suspension, forming a solution supersaturated in oxygen. A flow-through model for oxygenating flowing water is disclosed. The use of supersaturated water for enhancing the growth of plants is disclosed. Methods for applying supersaturated water to plants manually, by drip irrigation or in hydroponic culture are described. The treatment of waste water by raising the dissolved oxygen with the use of an oxygen emitter is disclosed.



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